

Listings of New State Records of Immigrant Insects in the Hawaiian Islands for the Years 1991-1998

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Abstract. The last of the listings of the New Immigrant Records (primarily insects) for the state of Hawaii was compiled for the year 1990 in the *Proceedings of the Hawaiian Entomological Society*. In this paper, we have compiled the records for the years 1991 to 1998. Following, the numbers of new state records are given (in parentheses) for each of the years considered: 1991 (10), 1992 (14), 1993 (1), 1994 (28), 1995 (16), 1996 (27), 1997 (19), and 1998 (17).

For many years, there was a section in the *Proceedings of the Hawaiian Entomological Society (PHES)* entitled "New Immigrant Records For the Year 19XX," which was compiled by the Editor. It listed all of the species that were known to have been recorded for the first time in the Hawaiian archipelago (Kure Atoll to Hawaii Island) for that year. These lists were useful in determining how many new insects became established each year. The last of these lists was for the year 1990 (*PHES* 31: 32). In an effort to continue these listings, records for the years 1991 to 1998 have been compiled, along with the references. The primary sources of these records have been the *PHES* and the "Records of the Hawaii Biological Survey" in the *Bishop Museum Occasional Papers (BMOP)*.

These lists consist primarily of immigrant insects, but other small organisms, such as mites, spiders, centipedes, and terrestrial molluscs, are also included. In the lists, below the species names, the Order and Family are provided for insects, mites, and spiders. The Class and Family are provided for snails, centipedes, and millipedes. In the future, an attempt will be made to provide an annual list in the *PHES* volume following the year for which records have been published, or soon thereafter. Purposely introduced insects and other organisms for biocontrol programs have not been included, but will be published in a separate paper. Newly described native species are also not included.

For purposes of these lists, the year indicated in the heading is usually the year in which the author submitted to the Editor the manuscript or note containing the record, or presented it at a Hawaiian Entomological Society meeting. This is usually not the year of publication, which may be the following year or later. In a few cases, where the year has not been designated by the author or the Editor, the year of publication is used. For organisms with a generic name, but not a specific name, the author(s) of the note and the year in which it was published are cited, following the format of the *Hawaiian Terrestrial Arthropod Checklist*. These are enclosed in brackets.

As a caveat, the year indicated in the heading is usually not the year in which the organism first entered the state. Because insects are often very inconspicuous, many years may have gone by before they were actually discovered. Also, on occasion, a collector or insect specialist may wait several years before actually reporting it. This may be because only a single, or a few, specimens were collected, or proper determination could not be obtained immediately.

The following abbreviations are used in this paper:

APHIS-PPQ (Animal and Plant Health Inspection Service-Plant Protection and Quarantine, U.S. Department of Agriculture)

BMNH (The Natural History Museum at London; formerly British Museum [Natural History])

BMOP (*Bishop Museum Occasional Papers*)

CES (Cooperative Extension Service, University of Hawaii)

CTAHR (College of Tropical Agriculture & Human Resources, University of Hawaii)

HBS (Hawaii Biological Survey)

HDOA (Hawaii Department of Agriculture)

HES (Hawaiian Entomological Society)

HES Newsletter (*Hawaiian Entomological Society Newsletter*). This newsletter was published from 1991–1993 only (3 vol.), after which publication ceased.

IIE (International Institute of Entomology, London, United Kingdom)

PHES (*Proceedings of the Hawaiian Entomological Society*)

UH (University of Hawaii)

Det. (Determined by)

Syn. (synonym)

NEW STATE RECORDS FOR 1991

Species	Reference
<i>Aleurothrixus antidesmae</i> Takahashi (Homoptera: Aleyrodidae)	<i>PHES</i> 32: 1
<i>Acanthoscelides macrophthalmus</i> (Schaeffer) (Coleoptera: Bruchidae)	<i>PHES</i> 32: 1
<i>Scymnus horni</i> Gorham (Coleoptera: Coccinellidae)	<i>PHES</i> 32: 2
<i>Trentepohlia australasiae</i> Skuse (Diptera: Tipulidae)	<i>PHES</i> 32: 2
<i>Platynota stultana</i> (Walsingham) (Lepidoptera: Tortricidae)	<i>PHES</i> 32: 2; <i>BMOP</i> 42: 36 (Note 1)
<i>Aphelinus</i> sp. poss. <i>humilis</i> Mercet (Hymenoptera: Aphelinidae)	<i>PHES</i> 32: 2
<i>Eutrichosomella</i> sp. [Beardsley, 1991] (Hymenoptera: Aphelinidae)	<i>HES Newsletter</i> 1(4):2 (Note 2)
<i>Phenacoccus parvus</i> Morrison (Homoptera: Pseudococcidae)	<i>HES Newsletter</i> 1(4):2 (Note 2)
<i>Diversinerus cervantesi</i> (Girault) (Hymenoptera: Encyrtidae)	<i>HES Newsletter</i> 1(4):2 (Note 2)

Siphoninus phillyreae (Haliday)

(Homoptera: Aleyrodidae) *HES Newsletter* 1(4): 2 (Note 2)

TOTAL NEW STATE RECORDS FOR 1991 = 10

Note 1: *Platynota stultana* was reported at the March 11, 1991 HES meeting (*PHES* 32: 2, published August 10, 1995). It was again published as a new state record in *BMOP* 42: 36 (Records of the Hawaii Biological Survey for 1994) on March 1, 1995. For purposes of this paper, this is being designated as a new state record for 1991.

Note 2: The following four records were previously published in *HES Newsletter* 1(4)(December 1991), but had been inadvertently omitted from *PHES*, where the other above records were published. They are therefore recapitulated here for convenience.

Eutrichosomella sp. [Beardsley, 1991] (Hymenoptera: Aphelinidae); *HES Newsletter* 1(4): 2. Materials examined: OAHU: Mt. Kaala, 29.ix.1985, at-large, J.W. Beardsley. Det. J.W. Beardsley, UH. (Note by J.W. Beardsley, UH).

Phenacoccus parvus Morrison (Homoptera: Pseudococcidae); *HES Newsletter* 1(4): 2. Material examined: OAHU: Aina Haina, 7.vii.1991, ex. ilima (*Sida fallax*, coll. R. Macapinlac. Det. J.W. Beardsley, UH., confirmed by D.J. Williams, BMNH. (Note by J.W. Beardsley, UH, B. Kumashiro and R. Macapinlac, HDOA).

Diversinervus cervantesi (Girault) (Hymenoptera: Encyrtidae); *HES Newsletter* 1(4): 2. Material examined: KAUAI: McBride Plantation, 17.ix.1991, reared from *Coccus viridis* Green, V. Chang. Det. J.W. Beardsley, UH. (Note by J.W. Beardsley, UH).

Siphoninus phillyreae (Haliday) (Homoptera: Aleyrodidae); *HES Newsletter* 1(4): 2. Material examined: OAHU: Waikiki, 4.xii.1991, ex. ash trees, P. Conant. Det. J.W. Beardsley, UH. (Note by P. Conant, HDOA).

NEW STATE RECORDS FOR 1992 (Notes 1 and 2)

Dixa longistyla Takahashi

(Diptera: Dixidae) *PHES* 32: 5

Chonocephala sp. prob. *pallidulus* Beyer

(Diptera: Phoridae) *PHES* 32: 6

Aspidiotiphagus lounsburyi (Berlese & Paoli)

(Hymenoptera: Aphelinidae) *PHES* 32: 6

Johnsonia elegans Coquillett

(Diptera: Sarcophagidae) *PHES* 32: 6

Lixus mastersi Pascoe

(Coleoptera: Curculionidae) *PHES* 32: 7

Stelidota sp. [Beardsley et al., 1995]

(Coleoptera: Nitidulidae) *PHES* 32: 7

Hippelates proboscideus Williston

(Diptera: Chloropidae) *PHES* 32: 8

Poecilominettia sexseriata Hendel

(Diptera: Lauxaniidae) *PHES* 32: 8

Metacarpodes buehanani (Hope)
(Coleoptera: Carabidae)
Syn. = *Colpodes buehanani* Hope *PHES* 32: 8 (Note 3)

Pagria signata (Motschulsky)
(Coleoptera: Chrysomelidae) *PHES* 32: 8

Phymasticus xylebori LaSalle
(Hymenoptera: Eulophidae) *PHES* 32: 95

Greenidea formosana (Maki)
(Homoptera: Aphididae) *PHES* 32: 157

Dendrocerus amamensis Takada
(Hymenoptera: Megaspilidae) *PHES* 31: 253 (Note 4)

Frankliniella bondari Hood
(Thysanoptera: Thripidae)
Syn. = *Frankliniella bratleyi* Watson *J. NY Ent. Soc.* 100: 45, 1992 (Note 5)

TOTAL NEW STATE RECORDS FOR 1992 = 14

Note 1: *Bactrocera ochrosiae* (Malloch)(Diptera: Tephritidae) was reported as a new state record in *PHES* 32: 5. According to J.W. Beardsley, the circumstance regarding the collection of this species is questionable, and subsequent attempts to recollect this fly on Molokai have been negative. Therefore, it is not included in this list.

Note 2: *Iridomyrmex* sp. (Hymenoptera: Formicidae) was reported in *PHES* 32: 7. It was collected at Tripler Army Medical Center in military equipment from Darwin, Australia around 10.iv.1992. The population of *Iridomyrmex* sp. was believed to have been exterminated and is thus not listed here.

Note 3: *Metacarpodes buehanani* (Hope) is now the senior synonym of *Colpodes buehanani* Hope (J. Liebherr & E. Zimmerman, 2000. *Insects of Hawaii* 16: 466). Also, *buehannani* should be spelled *buehanani*.

Note 4: *Megaspilus* sp. [Beardsley, 1992] as reported in *PHES* 31: 253 is actually *Dendrocerus amamensis* Takada 1974, according to P. Dessart in a manuscript sent to J.W. Beardsley in 1993. However, as far as Beardsley knows, Dessart never published this record.

Note 5: The following record was published in *J. N.Y. Ent. Soc.* 100: 415 (1992), and is recapitulated here for convenience. S. Nakahara, SEL, stated, "The known distribution of *F. bondari* is Brazil, Mexico, and the United States (Florida, Georgia, and Hawaii)." Additional collection data: OAHU: Waimanalo, 1990, ex. *Polianthes tuberosa* (tuberosa), D. Tsuda. Det. S. Nakahara, SEL. (Note by D. Tsuda, UH).

NEW STATE RECORDS FOR 1993 (Note 1)

Blastopsylla occidentalis Taylor
(Homoptera: Psyllidae) *HES Newsletter* 3(1): 2 (Note 2)

TOTAL NEW STATE RECORDS FOR 1993 = 1

Note 1: The record for *Phidippus regius* C.L.Koch (*HES Newsletter* 3(1): 3) is not included here because the author of the note, S. Swift, indicated that it is not known if it is established at the collection site. The note is recapitulated here for convenience. Material examined: Oahu: Campbell In-

dustrial Park, 28.xii.1992, at-large, R. Lum. Det. By N. Platnick, American Museum of Natural History, New York. (Note by S. Swift, Bishop Museum)

Note 2: The record for *Blastopsylla occidentalis* was published in the *HES Newsletter*, but not in *PHES*. It is recapitulated here for convenience. Material examined: Kauai: Upper Waialua River above Kapaa, 3.vi.1993, ex. *Eucalyptus grandis*, J.W. Beardsley and G. Uchida, UH. Also, Oahu: U.H. Campus, Manoa, 6.vi.1993, ex. *Eucalyptus citriodora* Hooker and *E. deglupta* Blume, J. Beardsley and G. Uchida. (Note by J.W. Beardsley and G. Uchida, UH).

NEW STATE RECORDS FOR 1994

- Pelastoneurus lugubris* Loew
(Diptera: Dolichopodidae) *PHES* 33: 1; *BMOP* 46: 27 (Note 1)
- Hydrovatus acuminatus* Motschulsky
(Coleoptera: Dytiscidae) *BMOP* 41: 74
- Rhizoeus cacticans* (Hambleton)
(Homoptera: Pseudococcidae) *BMOP* 42: 28
- Rhizoeus hibisci* Kawai & Takagi
(Homoptera: Pseudococcidae) *BMOP* 42: 28
- Hylaeus albonitens* (Cockerell)
(Hymenoptera: Colletidae) *BMOP* 42: 35
- Usingeriessa onyxalis* (Dyar)
(Lepidoptera: Crambidae) *BMOP* 42: 39
- Coridromius variegatus* (Montrouzier)
(Heteroptera: Miridae) *BMOP* 42: 42
- Anisops kuroiuae* Matsumura
(Heteroptera: Notonectidae)
Syn. = *Anisops batillifrons* Lundblad *BMOP* 42: 43 (Note 2)
- Crocothemis servilia* (Drury)
(Odonata: Libellulidae) *BMOP* 42: 43 (Note 3)
- Ctenacarus araneolus* (Grandjean)
(Acari: Ctenacaridae) *BMOP* 42: 51
- Atropacarus* cf. *striculus* (Koch)
(Acari: Phthiracaridae) *BMOP* 42: 51 (Note 4)
- Nanhermannia* sp. [Swift, 1995]
(Acari: Nanhermanniidae) *BMOP* 42: 51
- Hermanniella* sp. [Swift, 1995]
(Acari: Hermanniellidae) *BMOP* 42: 51 (Note 5)

<i>Damaeus</i> sp. [Swift, 1995] (Acari: Damaeidae)	BMOP 42:51
<i>Berlesezetes</i> cf. <i>auxiliaris</i> Grandjean (Acari: Microzetidae)	BMOP 42: 51
<i>Microppia minus</i> (Paoli) (Acari: Oppiidae)	BMOP 42: 51
<i>Suctobelbella</i> sp. [Swift, 1995] (Acari: Suctobelbidae)	BMOP 42: 51 (Note 6)
<i>Scheloribates</i> n. sp. [Swift, 1995] (Acari: Scheloribatidae)	BMOP 42: 51
New genus nr. <i>Dometorina</i> [Swift, 1995] (Acari: Scheloribatidae)	BMOP 42: 51
<i>Xylobates</i> cf. <i>capucinus</i> (Berlese) (Acari: Haplozetidae)	BMOP 42: 51
<i>Rostrozetes</i> sp. [Swift, 1995] (Acari: Haplozetidae)	BMOP 42: 51
<i>Fuscozetes</i> sp. [Swift, 1995] (Acari: Ceratozetidae)	BMOP 42: 51
<i>Achipteria</i> sp. [Swift, 1995] (Acari: Achipteriidae)	BMOP 42: 51
<i>Psydrothrips luteolus</i> Nakahara & Tsuda (Thysanoptera: Thripidae)	Proc. Ent. Soc. Wash. 96: 156 (Note 7)
<i>Draeculacephala inscripta</i> Van Duzee (Homoptera: Cicadellidae)	Trans. Am. Ent. Soc. Phila. 120(2): 96 (Note 8)
<i>Physa virgata</i> Gould (Gastropoda: Physidae)	Bishop Mus. Tech. Rept. 5: 1-26; BMOP 50: 9
<i>Melanoides tuberculata</i> (Müller) (Gastropoda: Thiaridae)	Bishop Mus. Tech. Rept. 5: 1-26; BMOP 50: 10
Undetermined species (Gastropoda: Helicarionidae)	Bishop Mus. Tech. Rept. 3: 1-21 + [i-ii].; BMOP 50: 20
TOTAL NEW STATE RECORDS FOR 1994 = 28	

Note 1: The record for *Pelastroneurus lugubris* Loew was first published in PHES 33: 1 (May 1994 HES meeting) as *Pelastroneurus* sp. In BMOP 46: 27 (HBS Records for 1995), it was again mentioned as a new state record. This is an error, and the latter should have been designated as a

taxonomic change.

Note 2: *Anisops kuruiwae* Matsumura is the senior synonym of *A. batillifrons* Lundblad, which was the name used in BMOP 42: 51. See name change (BMOP 46: 33).

Note 3: Drury should be in parentheses.

Note 4: The new state record for *Atropacarus* cf. *striculus* (Koch) was first published in *Biol. Bull. Pozan* 31: 85 in 1994 by Niedbala. It was also published as a new record in BMOP 42: 51 in 1995 by Swift (Records of the HBS for 1994). For purposes of this paper, this species is being designated as a new state record for 1994, based on Swift.

Note 5: *Hermanniella* was misspelled as *Hermanniella* in BMOP 42: 51.

Note 6: *Suctobelbella* was misspelled as *Suctobelba* in BMOP 42: 51. This was corrected in BMOP 57: 15.

Note 7: The record of *Psydrathrips luteolus* Nakahara & Tsuda is recapitulated here for convenience: "Material examined: Holotype female, 11 female and 3 male paratypes; Hawaii, Oahu, Aiea Hts. unfurled leaf of *Dieffenbachia* sp., 13.v.1992, W. Nayamine (sic) [should be Nagamine]; Hawaii, Oahu, Honolulu: St. Louis Hts., 1 female and 1 male paratypes, unfurled leaves of *Dieffenbachia* sp., 1.vii.1991, M. Nakamota (sic) [should be Nakamoto]; Manoa Valley, 3 female and 4 male paratypes, unfurled leaf of wild *Epipremnum pinnatum*, 9.i.1992, D.M. Tsuda; UH campus, 6 female and 1 male paratypes, 10 larvae, *Epipremnum pinnatum*, 2 female paratypes, *Syngonium podophyllum* Schott., 1 female paratype, *Philodendron* sp. 8.v.1992, D.M. Tsuda."

Note 8: The record of *Draeculacephala inscripta* Van Duzee is recapitulated here for convenience: "Although not native to Hawaii, several specimens of *D. inscripta* were collected on June 30, 1992 in a watercress field at Pearlridge, Oahu." The complete collection data of material examined should read: Oahu: Pearlridge, 30.vi.1992, ex. watercress, R. Heu & R. Macapinlac. Det. C.H. Dietrich, SEL.

NEW STATE RECORDS FOR 1995 (Note 1)

Lepisiota sp. [Reimer, 1998]

(Hymenoptera: Formicidae) PHEs 33: 2 (Note 2)

Planiocephalus flavicosta (Stål)

(Homoptera: Cicadellidae) PHEs 33: 2

Aphytis acutaspidis Rosen and DeBach

(Hymenoptera: Aphelinidae) PHEs 33: 3

Scirtothrips citri (Moulton)

(Thysanoptera: Thripidae) PHEs 33: 3

Frankliniella insularis (Franklin)

(Thysanoptera: Thripidae) PHEs 33: 3

Dolichothrips sp. prob. *nesius* Stannard

(Thysanoptera: Thripidae) PHEs 33: 3

Disclisioprocta stellata Guenée

(Lepidoptera: Geometridae) PHEs 33: 4 (Note 3)

Poliaspoides fornosanus (Takahashi)

(Homoptera: Diaspididae) PHEs 33: 4

Bumiduna longinqua (L. Koch)
(Araneae: Desidae)
Misidentified as *Ixeuticus* sp. nr. *martius* (Simon) *PHES* 33: 4 (Note 4)

Tetranychus evansi Baker and Pritchard
(Acari: Tetranychidae) *PHES* 33: 4

Melanagromyza sp. [Kumashiro, 1998]
(Diptera: Agromyzidae) *PHES* 33: 4

Clastoptera xanthocephala Germar
(Homoptera: Cercopidae) *PHES* 33: 4

Niesthrea louisianica Sailer
(Heteroptera: Rhopalidae) *PHES* 33: 4

Tachytrechus angustipennis Loew
(Diptera: Dolichopodidae)
Syn. = *Tachytrechus* sp. [Evenhuis, 1996] *BMOP* 46: 27 (Note 5)

Pomacea canaliculata (Lamarck)
(Gastropoda: Ampullariidae) *J. Med. Appl. Malacol.* 5(1993): 61-67; *BMOP* 50: 4

Polygyra cereolus (Mühlfeld)
(Gastropoda: Polygyridae) *BMOP* 46: 26

TOTAL NEW STATE RECORDS FOR 1995 = 16

Note 1: *Pelastoneurus lugubris* Loew was not included here (see New State Records for 1994, Note 1).

Note 2: *Lepisiota* was misspelled as *Lepisota* in *PHES* 33: 2. The complete data for Material Examined should read: OAHU: Pearl Harbor Submarine Base parking lot, 9.viii.1994, tending scales for honeydew and carrying insect prey to nest, G. Imoto (PQ inspector). Det. N. Reimer, HDOA, confirmed by R. Snelling (Natural History Museum, Los Angeles County) and D. Agosti (American Museum of Natural History). (Note by N. Reimer, HDOA).

Note 3: *Disclisioprocta* was misspelled as *Diclisioprocta* in *PHES* 33: 4.

Note 4: *Bumiduna longinqua* (L. Koch) (Family Desidae) was misidentified as *Ixeuticus* sp. nr. *martius* (Simon) (Family Amaurobiidae) (*PHES* 33: 4) by J. Coddington, Smithsonian Institution in 1986. The data for the material examined by Coddington were: MAUI, Kula, 10.vii.1985, on house, C. Lennox. In 1996, V. Roth, Arizona, USA, looked over the HDOA spider collection, including these specimens, and made the correction. Roth (1997) (Records of the Hawaii Biological Survey for 1996- Part 2: Notes; Corrections and Additions to the Spider Fauna of Hawaii, *BMOP* 49: 43) listed *B. longinqua* as a new state record using different vouchers, but for purposes of our lists, it is not included again for that year.

Note 5: *Tachytrechus angustipennis* Loew was reported as *Tachytrechus* sp. in *BMOP* 46: 27. See *BMOP* 49: 30 for species determination.

NEW STATE RECORDS FOR 1996 (Notes 1 and 2)

Lasiodactylus sp. prob. *tibialis* (Boheman)
(Coleoptera: Nitidulidae) *BMOP* 49: 19

- Stenomicroa* n. sp. [Perreira, 1997]
(Diptera: Periscelididae) *BMOP* 49: 20
- Alloeorhynchus maculosus* Kerzhner
(Heteroptera: Nabidae) *BMOP* 49: 20
- Aleurocanthus woglumi* Ashby
(Homoptera: Aleyrodidae) *BMOP* 49: 20
- Thysanococcus pandani* Stickney
(Homoptera: Halimococcidae) *BMOP* 49: 21
- Trichomalopsis viridescens* (Walsh)
(Hymenoptera: Pteromalidae) *BMOP* 49: 21
- Gnathaphanus picipes* (Macleay)
(Coleoptera: Carabidae) *BMOP* 49: 22
- Platydracus caliginosus* (Erichson)
(Coleoptera: Staphylinidae) *BMOP* 49: 23
- Condylostylus longicornis* (Fabricius)
(Diptera: Dolichopodidae) *BMOP* 49: 29 (Note 3)
- Nostima niveivenosa* Cresson
(Diptera: Ephydriidae) *BMOP* 49: 31
- Euxesta stigmatias* Loew
(Diptera: Otitidae) *BMOP* 49: 31
- Pellonyssus reedi* Zumpt and Paterson
(Acari: Macronyssidae) *BMOP* 49: 38 (Note 4)
- Laminalliptes phaeontis* (Fabricius)
(Acari: Alloptidae) *BMOP* 49: 38
- Exothorhis caudata* Summers
(Acari: Eupalopsellidae) *BMOP* 49: 39
- Saniosulus nudus* Summers
(Acari: Eupalopsellidae) *BMOP* 49: 40
- Hololena curta* (McCook)
(Araneae: Agelenidae) *BMOP* 49: 41
- Kukulcania* sp. [Roth, 1997]
(Araneae: Filistatidae) *BMOP* 49: 43
- Erigone dentosa* O. Pickard-Cambridge
(Araneae: Linyphiidae) *BMOP* 49: 44

Microbathyphantes palmarius (Marples)

(Araneae: Linyphiidae)

Syn. = *Priscipalpus palmarius* (Marples) BMOP 49: 44 (Note 5)*Theotima radiata* (Simon)

(Araneae: Lycosidae) BMOP 49: 44

Physocylus globosus (Taczanowski)

(Araneae: Pholcidae) BMOP 49: 45

Habronattus mustaciata (Chamberlin & Ivie)

(Araneae: Salticidae) BMOP 49: 45

Phintella versicolor (C.L. Koch)

(Araneae: Salticidae) BMOP 49: 46 (Note 6)

Tetramblemma deccanensis (Tikader)

(Araneae: Tetramblemmidae) BMOP 49: 46

Steatoda erigoniformis (O. Pickard-Cambridge)

(Araneae: Theridiidae) BMOP 49: 47

Theridion melanostictum O. Pickard-Cambridge

(Araneae: Theridiidae) BMOP 49: 47 (Note 7)

Heliothis melanoleuca Mitchell

(Lepidoptera: Noctuidae) BMOP 48: 78 (Note 8)

TOTAL NEW STATE RECORDS FOR 1996 = 27

Note 1: *Budumna longinqua* (L. Koch) (Araneae: Desidae)(BMOP 49: 43) is not included here. (See New State Records for 1995, Note 4).

Note 2: *Phidippus regius* C.L. Koch (Araneae: Salticidae) is not included here. The author of the note, S. Swift, indicates that it is not known if *P. regius* was established at the collection site (HES Newsletter 3(1):3)(See New State Records for 1993, Note 1). This species is also repeated as a new state record in BMOP 49: 46, but only one male is indicated.

Note 3: Fabricius should be in parentheses.

Note 4: Author's name, Paterson, is misspelled as Patterson in BMOP 49: 38.

Note 5: Beatty suggests that *Microbathyphantes palmarius* (Marples) is the senior synonym. Ref: Beatty, J.A., J.W.Berry and E.R. Berry. 2000. Additions and corrections to the spider fauna of Hawaii. BMOP 64: 32-39. *Priscipalpus* is misspelled as *Principalpus* in BMOP 49: 44.

Note 6: *Phintella versicolor* (C.L. Koch) was also reported as a new state record in *J. Arachnol.* 24: 214 by Berry et al. (1996).

Note 7: No parentheses around author's name.

Note 8: *Heliothis melanoleuca* Mitchell was recorded as an endemic, but is designated as an adventive in this list. This is because light traps have been operated throughout the island of Oahu for many years and only recently have been collecting specimens of this species.

NEW STATE RECORDS FOR 1997 (Note 1)

- Ciconiphilus decimfasciatus* (Boisduval & Lacordaire)
(Phthiraptera: Menoponidae) *BMOP* 56: 25
- Strigiphilus aitkeni* Clay
(Phthiraptera: Philopteridae) *BMOP* 56: 27
- ?*Lobopoda* sp. [Samuelson, 1998], Midway Atoll
(Coleoptera: Alleculidae) *BMOP* 56: 28 (Note 2)
- Murmidius* sp. [Samuelson, 1998], Midway Atoll
(Coleoptera: Cerylonidae) *BMOP* 56: 28 (Note 2)
- Altica torquata* LeConte
(Coleoptera: Chrysomelidae) *BMOP* 56: 28
- Cis* sp. *bilamellatus* group [Samuelson, 1998]
(Coleoptera: Ciidae) *BMOP* 56:29
- Hypera postica* (Gyllenhal)
(Coleoptera: Curculionidae) *BMOP* 56: 30
- ?*Cardiophorus* sp. [Samuelson, 1998], Midway Atoll
(Coleoptera: Elateridae) *BMOP* 56: 30 (Note 2)
- Helochares* sp. [Samuelson, 1998]
(Coleoptera: Hydrophilidae) *BMOP* 56: 30
- Corticaria longicollis* Zetterstedt
(Coleoptera: Lathridiidae) *BMOP* 56: 31
- Parathroscinus* sp. [Samuelson, 1998]
(Coleoptera: Limnichidae) *BMOP* 56: 31
- Protaetia pryeri* (Janson), Midway Atoll
(Coleoptera: Scarabacidae) *BMOP* 56: 31 (Note 2)
- Genus and species undet. [Samuelson, 1998]
(Coleoptera: Scirtidae) *BMOP* 56: 32
- Scopaeus* sp. [Samuelson, 1998]
(Coleoptera: Staphylinidae) *BMOP* 56: 32 (Note 3)
- Neaspis* sp. [Samuelson, 1998]
(Coleoptera: Trogositidae) *BMOP* 56: 33
- Choneiulus palmatus* (Nemec)
(Diplopoda: Blaniulidae) *BMOP* 56: 39

Proteroiulus fuscus (Am Stein)
(Diplopoda: Blaniulidae) *BMOP* 56: 39

Cylindroiulus truncorum (Silvestri)
(Diplopoda: Julidae) *BMOP* 56: 40

Parmarion martensi Simroth
(Gastropoda: Ariophantidae) *BMOP* 50: 16

TOTAL NEW STATE RECORDS FOR 1997 = 19

Note 1: *Pseudococcus odermatti* Miller & Williams (Homoptera: Pseudococcidae) was recorded as being present in Hawaii (Miller & Williams, 1997. *Proc. Ent. Soc. Wash* 99: 306). The following is an excerpt from the publication: "Specimens reported from Bahamas, Belize, China, Costa Rica, Hong Kong, USA: Florida, Japan, and Hawaii: 16.viii.1994, on *Diospyros blancoi*, Hara and Maemoto." According to R. Kunishi, APHIS-PPQ, this was a quarantine interception; therefore, it is not included in this list.

Note 2: These species were reported from Midway Atoll only.

Note 3: *Scopaeus* sp. [Samuelson, 1988] is listed here as a new state record, although it had been mentioned previously in publication (*PHEs* 22: 106). Moore (1975) mentions it as item #15 in *An Annotated List of Some Hawaiian Staphylinidae* with the following collection data: Waipio, Oahu, light trap, 10.31.61, J.W. Beardsley. In the introduction, he said, "Part of [the list of 33 species] consists of new records from the Islands, and others are probably new records but cannot be identified to species" He does not specify which species are the new records. Therefore, the so called "record" had largely gone unnoticed or had been overlooked. It has not been listed in the Chance Immigrant Section of *PHEs* or in the Bishop Museum's *Hawaiian Terrestrial Arthropod Checklist, Third Edition*. To avoid further confusion, it is listed here. Samuelson's examined material included specimens from 1902, 1952, 1958, 1982, and 1997.

NEW STATE RECORDS FOR 1998

Dicarnosis ripariensis Kerrich, Midway Atoll
(Hymenoptera: Encyrtidae) *BMOP* 58: 42 (Note 1)

Liriomyza sp. near *blechi* Spencer
(Diptera: Agromyzidae) *BMOP* 58: 51

Sigaloessa sp. [Beardsley et al., 1999]
(Diptera: Asteiidae) *BMOP* 58: 52

Meromyza communis Fedoseeva
(Diptera: Chloropidae) *BMOP* 58: 53

Drosophila quadrilineata (Meijere)
(Diptera: Drosophilidae) *BMOP* 58: 54

Elaphropeza sp. [Beardsley et al., 1999]
(Diptera: Empididae) *BMOP* 58: 54

Spilochroa ornata (Johnson)
(Diptera: Helcomyzidae) *BMOP* 58: 54

<i>Cassida circumdata</i> Herbst (Coleoptera: Chrysomelidae)	BMOP 59: 29
<i>Decachaetophora aeneipes</i> (Meijere) (Diptera: Sepsidae)	BMOP 59: 32 (Note 2)
<i>Trichrysis luzonica</i> (Mocsary) (Hymenoptera: Chrysididae)	BMOP 59: 34
<i>Ceropales maculata stretchii</i> Fox (Hymenoptera: Pompilidae)	BMOP 59: 34
<i>Aeptencyrtus bruchi</i> (De Santis) (Hymenoptera: Encyrtidae)	BMOP 59: 35
<i>Halophiloscia couchii</i> (Kinahan) (Isopoda: Halophilosciidae)	BMOP 59: 37
<i>Liardetia doliolum</i> (Pfeiffer) (Gastropoda: Helicarionidae)	BMOP 59: 48
<i>Arion intermedius</i> Normand (Gastropoda: Arionidae)	BMOP 59: 48
<i>Pyrgophorus coronatus</i> (Pfeiffer) (Gastropoda: Hydrobiidae)	BMOP 59: 48
<i>Encarsia aseta</i> Hayat & Polaszek (Hymenoptera: Aphelinidae)	J. Nat. Hist. 32: 1844 (Note 3)

TOTAL NEW STATE RECORDS FOR 1998 = 17

Note 1: This species was reported from Midway Atoll only.

Note 2: *Decachaetophora "aenipes"* in BMOP 56: 32 should be spelled *Decachaetophora "aeneipes"*.

Note 3: The information from Huang and Polaszek, 1998 (*J. Nat. Hist.* 32: 1844) is recapitulated here for convenience: "Distribution: Fujian, Shanghai, Hawaii (new record), India." The collection data for that record are not available. Therefore, additional data have been provided from the HDOA's insect collection: OAHU: Pearl City, 24.xii.1996, ex. *Aleurotrachelus* sp., R. Heu & M. Chun. Det. A. Polaszek, IIE.

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